

Application No.: 09/902,774

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Docket No.: 04970/000J592-US0

STATUS OF CLAIMS

1.- 4. Canceled.

5. (currently amended) A method of installing a plurality of solar cell modules, comprising the steps of:

preparing a plurality of types of solar cell modules having an equal output voltage and different sizes;

connecting positive and negative output lines of each solar cell module thus prepared to positive and negative cables, respectively, so as to connect the solar cell modules in parallel;

wherein the plurality of solar cell modules comprise mutually different numbers of solar cell sub-modules of an equal size; and

wherein the solar cell sub-modules comprise a plurality of power generating regions, ~~and the each of which has plurality of power generating regions are~~ solar cells connected in series so as to obtain a predetermined output voltage, the respective power generating regions being separated in a direction crossing the direction of series connection of the solar cells.

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6. (previously presented) A solar cell module comprising:

a supporting member;

a plurality of solar cell sub-modules mounted on said supporting member, each of said solar cell sub-modules including a glass substrate and a plurality of solar cells arranged on the substrate;

a wiring member for electrically connecting said solar cell sub-modules positioned next to each other on said supporting member; and

a moisture impermeable cover member, mounted on said supporting member, for covering said wiring member;

said wiring member being sealed in a resin between said supporting member and said cover member.

7. (previously presented) A solar cell module comprising:

a metal base;

a plurality of solar cell sub-modules mounted on said metal base, each of said solar cell sub-modules including a plurality of solar cells;

a raised portion which is provided at one of opposing side edges of said metal base and has a first engagement section at its end; and

a suspended portion which is provided at the other side edge and has at its end a second engagement section that comes into engagement with the first engagement section of other solar cell module;

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wherein said solar cell sub-modules positioned next to each other are electrically connected to each other by a wiring member on said metal base, said raised portion has a base section provided parallel to a surface of said metal base, and the connection of said solar cell sub-modules by said wiring member is made between said metal base and said base section, said wiring member being sealed in a resin between said metal base and said base section.

8. (previously presented) The method of installing solar cell modules of claim 5, wherein the plurality of solar cell modules have mutually different internal wiring designs so as to obtain an equal output voltage.

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